

INSR

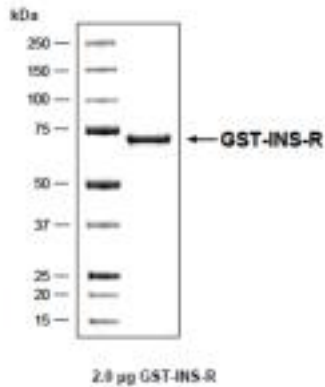
Recombinant Human Insulin Receptor Active GST-His

Catalog No.	CRI025	Quantity:	10 µg 100 µg
Alternate Names:	CD220, HHF5, IR		
Description:	Human INS-R, C-terminal fragment, amino acids G ₉₈₉ -S ₁₃₈₂ (as in NCBI/Protein entry NP_000199.2)), N-terminal GST fusion protein, expressed in Sf9 insect cells		
Concentration:	0.189 µg/µl by Bradford method		
Gene ID:	3643		
Protein Accession No:	NP_000199.2		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 70,392 Da		
Formulation:	50 mM HEPES, pH 7.5, 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol		
Purification:	GST-Affinity Chromatography		
Product Identity:	INS-R was confirmed as INS-R by mass spectroscopy LC-ESI-MS/MS		
Specific Activity:	533 pmol/µg×min ATP-K _m 5.8 µM Method for determination of K _m value & Specific activity: • Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl ₂ 3 mM MnCl ₂ 3 µM Na-orthovanadate 1.2 mM DTT 2.5 µg / 50 µl PEG _{20,000} ATP (variable) Substrate: Poly(Ala,Glu,Lys,Tyr) _{6:2:5:1} 80 µg/ml Kinase: 1 µg/ml • Filter binding assay MSFC membrane (Millipore)		

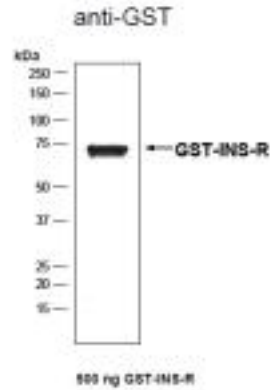


Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

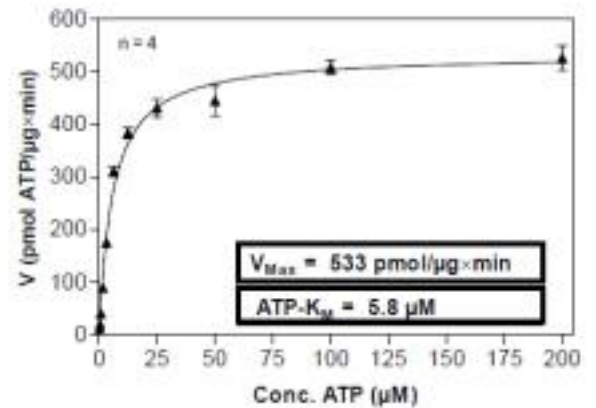
Coomassie stain:



Western blot analysis:



Determination of V_{max} and K_m value for ATP



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